

From the INTERNATIONAL SEARCHING AUTHORITY				
To: PETER C. MEI /BA BINGHAM MCCUTCHEN LLP	PCT NOTIFICATION OF TRANSMITTAL OF			
THREE EMBARCADERO CENTER SUITE 1800 SAN FRANCISCO, CA 94111-4067	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of mailing 1 3 OCT 2005			
Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below VM7012096004				
International application No. PCT/LiS04/32381	International filing date (day/month/year) 01 October 2004 (01.10.2004)			
Applicant VARIAN MEDICAL SYSTEMS TECHNOLOGIES, INC.				
	h report and the written opinion of the International Searching Authority			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clair	ms of the international application (see Rule 46):			
search report.	normally two months from the date of transmittal of the international			
Where? Directly to the International Bureau of WIPO, 1211 Geneva 20, Switzerland, Facsimile No.:	+41 22 740 14 33			
For more detailed instructions, see the notes on the ac-	companying sheet.			
The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(x) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
request to forward the texts of both the protest arm the tectabut distinct of the state of the protest of the protest the applicant will be notified as soon as a decision is made.				
Bureau. If the applicant wishes to avoid or postpone pushcanon, a claim, must reach the international Bureau as provided in Rules 91	the international application will be published by the International a notice of withdrawed of the international application, or of the priority Obiz. I and 90biz.3, respectively, before the completion of the technical			
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the international Dutreau. The international Bureau will send a copy of such comments to all destiguated Office unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not preliminary examination report has been or is to be established. These comments would also be made available to the public but not preliminary examination report has been or in the present of the pr				
Within 19 months from the priority date, but only in respect of some designated offices, a demand for international priminary to cannination must be filled if the applicant whosh to perspone the unity into the national plass are third from the priority date (in some Offices even bate); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry				
not the national pinace treats make the properties of the properties of the design and the properties of the designated Offices, the time limit of 30 months (or leter) will apply even if no demand is filed within 19 months. See the Annex to Form PCT/IE/O1 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide,				
Volume II, National Chapters and the WIPO Internet site.	11 011			
Name and mailing address of the ISA/US	Authorized officer Shawn). Wilke La			
Mail Stop PCT, Ann: ISA/US Commissioner for Fatents	Brian L. Casler			
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. (571) 272-4956			
Facsimilla No. (703) 305-3230 Form PCT/ISA/220 (January 2000) Cket: 70(209 - 3002-00)	(See notes on accompagning sheet)			
Action: Suppl IDS Due	Docket 701209-0004 (TI) Action Resp to Search Report Du			
Date Due:' 1/13/00	Date Due: 12/13/05			
Docket: 70209-4001	D_ /			
Action: Suppl IDS DUE	-			
Date Due: 113/06 Docket: (1) 70/209-4002				
Action: Suppl DS Due	······			
Date Due: "itialo6				



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference VM7012095004		Form PCTASA/220 ne applicable, item 5 below.	
International application No. PCT/US04/32381	International filing date (day/month/year) 01 October 2004 (01.10.2004)	(Earliest) Priority Date (day/month/year) 03 October 2003 (03.10.2003)	
Applicant VARIAN MEDICAL SYSTEMS TECHNOLOGIES, INC.			
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Dureau. This international search report consists of a total of shoots. It is also accompanied by a copy of each prior art document cited in this zeport. Basis of the Report a. Write regards to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. The international search was carried out on the basis of a translation of the international application firmistice to this Authority (Rule 23.1(b)). b. With regard to any uncleotide and/or amino acid sequence disclosed in the international application, see Box No. I. Certain claims were found unsearchable (See Box No. II) Unity of invention is lacking (See Box No. II) With regard to the title, the text is approved as submitted by the applicant. the text is approved as submitted by the applicant.			
5. With regard to the abstract, the text is approved as subn the text has been established	d according to Rule 38.2(b), by this Authority	vas it appears in Box No. IV. The applicant	
may, within one month from the date of mailing of this international search report, submit comments to this Authority.			
6. With regard to the drawings. a. the figure of the drawings to be published with the abstract is Figure No. 1 as suggested by the applicant.			
	Authority, because the applicant failed to sug	gest a figure.	
as selected by this Authority, because this figure better characterizes the invention.			
b. none of the figures is to be	published with the abstract.		

Form PCT/ISA/210 (first sheet) (January 2004)





INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/32381

A. CLAS	SIFICATION OF SUBJECT MATTER			
IPC(7)				
7.70 CT	: 600/407	ional destification and IDC		
	International Patent Classification (IPC) or to both na	IONN GAMMERING BIO IFC		
	OS SEARCHED	1 12 2 113	***************************************	
Minimum do	numentation searched (classification system followed l	y classification symbols)		
U.S. : 60	0/407,410,411,416			
Documentatio	on searched other than minimum documentation to the	extent that such documents are included i	n the fields searched	
2000				
		61-1	ah maan madi	
Electronic da	ta base consulted during the international search (nam	e of data base and, where practicative, sear	on terms asoo)	
C. DOC	JMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	propriate, of the relevant passages	Relevant to claim No.	
A	US 6,185,446 B1 (Carlson) 06 February 2001 (06.03	.2001), See the entire patent	1-30	
			1-30	
A	US 5,262,945 A (DeCarli et al.) 16 November 1993	(15.11.1993), See the entire patent	1-00	
			3	
		and the second		
	documents are listed in the continuation of Box C.	See patent family annex.		
		"I" Inter document published after the inter	mutional filine date or priority	
	positel enterpretes of situal documents:	date and not in conflict with the applica	tion but after to understand the	
"A" documen	defining the general state of the art which is not considered to be of	principle or theory underlying the inver	yxe	
perticula	relevance	"X" document of particular relevance; the e	founed invention cannot be	
"B" earlier ap	plication or patent published on or after the internesional filing date	considered navel or cannot be consider when the document is taken alone	ed to myolve as aventive step	
"L" dovumen	which may throw doubts an priority claim(s) or which is aded to		12 12 15 14	
steblish	the publication date of another ditation or other species reason (as	"Y" document of particular relevance; the a considered to involve an inventive step	launed invention cannot be when the document is combined	
specified;		with one or more after such documents	, such combination being	
"O" decurses	referring to an onal disclosure, use, exhibition or other means	christs as person skilled in the art		
"P" documen	published prior to the international filing date but later than the	"&" document member of the same patent for	undy	
Principle date claimed				
	Date of the actual completion of the international search Date of mailing of the international search report			
TVPRC OF THE R	Traite of the actual combretion of the meanworks some			
12 August 20	12 August 2005 (12.08.2005)			
Name and m	Name and mailing address of the ISA/US Authorized other State of the ISA/US			
200	Commissioner for Patents P.O. Box 1459			
Ale	gandria, Virginia 22313-14M	Telephone No. (571) 272-4956		
Tamimile M.	(703) 365-3930			

Facsimile No. (703) 305-3230
Form PCT/ISA/210 (second sheet) (January 2004)



rom the	IONAL SEARCE	HING AUTH	ORITY		
NTERNATIONAL SEARCHING AUTHORITY To: PETER C. MEI BINGHAM MCCUTCHEN LLP THREE EMBARCADERO CENTER, SUITE 1800 SAN FRANCISCO, CA 9411-4067		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
					(PCT Rule 43bis.1)
				Date of mailing (day/month/year)	1385/2866
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below			
VM7012096004 International application No. International filing date		(day/month/year)	Priority date (day/month/year)		
PCT/US04	/32381		01 October 2004 (01.10.	2004)	03 October 2003 (03,10,2003)
			or both national classificat	lost and it C	
IPC(7): At Applicant	1B 5/05 and US	CL: 600/407			
	MEDICAL SYST	TEMS TECH	NOLOGIES, INC.		
		. 41 16 18	ating to the following item	201	
1. Thus c	bittiou consens n				
\bowtie	Box No. I	Basis of the	e opinios		
	Box No. II	Priority			
	Box No. III	Non-establ	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
	Box No. IV	Lack of unity of invention			
\boxtimes	Box No. V	Reasoned statement under Rule 43ths. I(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
П	Box No. VII	Certain defects in the international application			
	Box No. VIII	Cortain obs	ervations on the internatio	nal application	
If a d Intern Author that w If this IPEA of For fi	ational Prolimina rity other than the ritten opinions of opinion is, as p	ational prelis ary Examinis ais one to be this Internst revided above ogether, when or before the a Form PCT/I	g Authority (1974) et the PPEA and the chosen ional Searching Authority e, considered to be a writ expiration of 22 months in SA/220.	IPFA has notified the will not be so consider the principal of the II iments, before the expression the priority date,	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.
3. For fi	irther Cetalis, SCC	HOLES TO LOIL	C. C. A. EMPLEO.		01 0 91
1	mailing address of Mail Stop PCT, Ath Commissioner for P	n: ISA/US	\$	Authorized office Brian L. Caster	Sharm P. There you

Telephone No. (571) 272-4956

Commissioner for Faterits
P.O. Box 1450
Alexandris, Virginia 22313-1450
Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)



Form PCT/ISA/237(Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/32381

Box No. I Basis of this opinion		
 With regard to the language, this opinion has been established on the basis of the international application in the language in w was filed, unless otherwise indicated under this item. 	nich it	
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).	*	
With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:		
a. type of material		
a sequence listing		
table(s) related to the sequence listing		
b. format of material		
in written formst		
in computer readable form		
c. time of filing/furnishing		
contained in international application as filed.		
filed together with the international application in computer readable form.		
furnished subsequently to this Authority for the purposes of search.		
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been or furnished, the required statements that the information in the subsequent or additional copies is identical to that is application as filled or does not go beyond the application as filled, as appropriate, were furnished.	filed n the	
4. Additional comments:		



*

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/32381

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement YES Claims 1-30 Novelty (N) _NO Claims NONE YES Claims 1-30 Inventive step (IS) NO Claims NONE YES Claims 1-30 Industrial applicability (IA) _NO Claims NONE

Citations and explanations:

Claims 1-30 most the uniteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method for generating images, collecting data samples of a motion of an object, acquiring image data of at least a part of the object over a time inserval, synchronizing the data samples and the image data to a common time base, and generating one or more images based on the synchronized image data.

Claims 1-30 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.



These Notes are intended to give the basic instructions concerning the filting of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty, in case of discrepancy between their Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT-Applicant's Guide's, publishing of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the description and drawings) may be emphasized that, since all parts of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is wassign on need to flic strendments of the claims under vince; if except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection as visable in some States only.

Furthermore, it should be emphasized that provisional protections as visable in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international place, the claims may also be amended for further amended) under Article 34 before the international Preliminary. Examining Authority. The description and drawings may only be amended under Article 34 before the international Prelimining Petamining Authority

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, when the priority date, where time limit expires later. It should be noted, lowever, that the amendments will be considered as Exology been received on time if they are received by the international Bureau after the expination of the applicable time limit but before the completion of the technical preparations for international Bureau after the expination of the (Role 46.1).

Where not to 5le the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Scarchine Authority (Rule 46.7).

Where a demand for international preliminary examination has been/is filed, see below,

Haw? Either by cancelling one or more entire claims. As adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement since must be numbered in Arabic numerals. Where a claim is concelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Tearlestions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be coofused with the "Statement under Article 19(1)" (see below: under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the application is English, the latter must be in English; if the language of the international application is French, the letter must be in French the letter must be in French

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING ALTHORITY

To: PETER C, MEI PETER C, MEI BINGHAM MCCUTCHEN ILIP THREE EMBARCADERO CENTER, SUITE 1800 SAN FRANCISCO, CA 94111-4067	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1) Date of mailing (daymondhysus)		
Applicant's or agent's file reference			
VM7012096004 International application No.	FOR FURTHER ACTION See paragraphs 1 and 4 below International filing date		
PCT/US04/32381	(day/month/year) 01 October 2004 (01.10.2004)		
Applicant VARIAN MEDICAL SYSTEMS TECHNOLOGIES, INC.			
The applicant is hereby notified that the international search have been established and as a transmitted herewith. Filing or amandaments and statement under Article 19 The applicant is entitled, if he so wither, to amend the claim.	report and the written opinior of the International Searching Authority s of the international application (see Rule 45):		
When? The time limit for filing such amendments is no search report.	semally two months from the date of transmittel of the international		
Where? Directly to the International Bureau of WIPO, 34 shemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35			
For more detailed instructions, see the notes on the accompanying sheet.			
 The applicant is hereby notified that no international search r Article 17(2)(a) to that effect and the written opinion of the Ir 	nternational Searching Authority are transmitted herewith.		
3. With regard to the protest against payment of (an) addition	nal fee(a) under Rule 40.2, the applicant is notified that:		
the protest together with the decision thereon has been to request to forward the texts of both the protest and the common decision has been made yet on the protest; the applications are the protest of the protest.	ransmitted to the International Bureau together with the applicant's secision thereon to the designated Offices.		
4. Reminders	and was be notified as soon as a decision is made.		
Shortly after the expiration of 18 months from the priority date, it Bureau. If the applicant wishes to avoid or pastpone publication, a na- claim, must reach the International Bureau as provided in Rules 90bs preparations for international publication.	otice of withdrawal of the international application, or of the priority is 1 and 90biz.3, respectively, before the completion of the technical		
The applicant may submit comments on an informal basis on the international Bureau. The International Bureau will send a copy of prelimitary examination report has been or is to be established. The before the expiration of 30 months from the priority date.	such comments to all designated Offices unless an international esse comments would also be made available to the public but not		
Within 19 months from the priority date, but only in respect of a examination must be filed if the applicant withes to postpone the entr scene Offices even later), otherwise, the applicant must, within 20 m into the national phase before those designated Offices.	ry into the national phase until 30 months from the priority date (in innths from the priority date, perform the prescribed acts for entry		
In respect of other designated Offices, the time limit of 30 months (or	later) will apply even if no demand is filed within 19 months.		
See the Annex to Form PCT/IB/301 and, for details about the applic Volume II, National Chapters and the WIPO Internet site.	cable time limits, Office by Office, see the PCT Applicant's Guide,		
Name and multing address of the ISA/ US Mail Step PCT, Ann ISA/US Corombalrons for Patents P. But 145 fa Patents P. But 145 fa Patents Anamon Viginia 22313-1459 **Contimile No. (703) 305-5230	Authorized officer Shawn). Miles for Brian L. Capter Telephone No. (571) 272-4956		
rm PCT/ISA/220 (January 2004)	(See notes on assumenting Cont		